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 56610 ARRADON  
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 Tel 33 2 97 44 07 11  
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[vernois.5678@wanadoo.fr](mailto:vernois.5678@wanadoo.fr)

Arradon on 24 October 2009



United States Patent and Trademark Office  
 Customer Service Window  
**PETITION TO THE DIRECTOR**  
 Randolph Building  
 401 Dulany Street  
 Alexandria, VA 22314

**WITHDRAWN OF ABANDONMENT**  
**Application 08/809,620**  
**Filed 02/05/1998**

**Terminal Disclaimer and fee 1.20(d) \$70**  
**Petition fee 1.17(f) \$400**  
**Fees \$470 enclosed with form PTO-2038**

Mr Director,

I beg to inform you of a serious malfunctioning of the USPTO.

On 10 October 2009, I had seen on Image File Wrapper a Notice of Abandonment (doc 1).

I have immediately faxed to examiner Thong Q NGUYEN my surprise (doc 2).

I do not understand this Notice of Abandonment for failure to reply at Office Action on 30 April 2008, because the Office Action "Interview" (doc 3) on 24 April 2009.

I have reply immediately on 24 April (doc 4) by sending of claims, on 25 April by reply to interview and reasons why I do not sent money (doc 5), and done the substance of the interview on 24 May 2009 (doc 6), all via fax 571 273 0200 given by interviewer.

I had been surprised by the early hour of the interview, between 12 and 13 french hours, and the urgent request of the fast reply, and above all of a fast payment by credit card of \$1175, via fax 571 273 0200.

I had immediately sent an email (doc 7) and a fax (doc 8) to the Quality Engineer of the Technical Center 2800 Cassandra SPYROU.

On 27 April 2009 I had sent an other fax (doc 9) to Cassandra SPYROU.

When I had received by mail on 23 May 2009, the Summary Interview, I had been very surprised to see that the date given for this interview was the 01 May 2009, and not the true date of 24 April.

(I had seen the obligation to send the substance (doc 6) of the interview on 23 May, and I had sent it on 24 May.)

I had sent a fax (doc 10) to Cassandra SPYROU for this wrong date.

On 23 May 2009, I had sent a fax (doc 11) to the interviewer Mr WARD for confirmation of the date of the interview, but without reply from Mr WARD.

On 14 May 2009 I had sent an email (doc 12) to Cassandra SPYROU to inform she about interviewers, Ms Gloria ANTHONY and Paul V. WARD.

Ms SPYROU replies the same day (doc 13).

**Either the Interview is the last in order Office Action, and I have timely reply to this last Office Action, and the Notice of Abandonment must be withdrawn.  
Or this interview does not is an in order Office Action.**

Respectfully Yours



Gouven VERNOIS

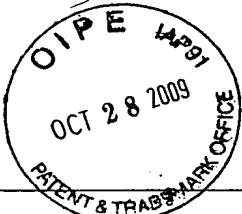
#### Documents

- (1) Notice of Abandonment (PTOL-1432) + Form PTOL-90A
- (2) Fax to Examiner Thong Q. NGUYEN, via fax **571 273 8300**
- (3) Interview Summary (PTOL-413) + Form PTOL-90A
- (4) Fax to Examiner Thong Q. NGUYEN, via fax **571 273 0200**
- (5) Fax to Examiner Thong Q. NGUYEN, via fax **571 273 0200**
- (6) Fax to Mr WARD, Subject of the Interview, via fax **571 273 0200**
- (7) Email to Ms Cassandra SPYROU, for my surprise about phone call
- (8) Fax to Ms Cassandra SPYROU, about phone call, via fax **571 273 8300**
- (9) Fax to Ms Cassandra SPYROU (via fax **571 273 8300**), about phone call and reply to Examiner via fax **571 273 0200**
- (10) Fax to Ms Cassandra SPYROU, about phone call and paper Interview Summary received this day, via fax **571 273 8300**
- (11) Fax to Mr Paul Ward for confirmation of the date of the interview, via fax **571 273 8300**
- (12) Email to Ms Cassandra SPYROU, about date of the interview, and time extension
- (13) Email from Ms Cassandra SPYROU, serial number incorrect ????

US 08/809,620

16/09/09

DIR doc(1)



Notice of Abandonment	Application No. 08/809,620 Examiner Thong Nguyen	Applicant(s) GOULVEN, VENOIS Art Unit 2872
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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

This application is abandoned in view of:

1.  Applicant's failure to timely file a proper reply to the Office letter mailed on 30 April 2008.
  - (a)  A reply was received on \_\_\_\_\_ (with a Certificate of Mailing or Transmission dated \_\_\_\_\_), which is after the expiration of the period for reply (including a total extension of time of \_\_\_\_\_ month(s)) which expired on \_\_\_\_\_.
  - (b)  A proposed reply was received on \_\_\_\_\_, but it does not constitute a proper reply under 37 CFR 1.113 (a) to the final rejection. (A proper reply under 37 CFR 1.113 to a final rejection consists only of: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114).
  - (c)  A reply was received on 10 October 2008 but it does not constitute a proper reply, or a bona fide attempt at a proper reply, to the non-final rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below).
  - (d)  No reply has been received.
2.  Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).
  - (a)  The issue fee and publication fee, if applicable, was received on \_\_\_\_\_ (with a Certificate of Mailing or Transmission dated \_\_\_\_\_), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85).
  - (b)  The submitted fee of \$\_\_\_\_\_ is insufficient. A balance of \$\_\_\_\_\_ is due.  
The issue fee required by 37 CFR 1.18 is \$\_\_\_\_\_. The publication fee, if required by 37 CFR 1.18(d), is \$\_\_\_\_\_.
  - (c)  The issue fee and publication fee, if applicable, has not been received.
3.  Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).
  - (a)  Proposed corrected drawings were received on \_\_\_\_\_ (with a Certificate of Mailing or Transmission dated \_\_\_\_\_), which is after the expiration of the period for reply.
  - (b)  No corrected drawings have been received.
4.  The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.
5.  The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.
6.  The decision by the Board of Patent Appeals and Interference rendered on \_\_\_\_\_ and because the period for seeking court review of the decision has expired and there are no allowed claims.
7.  The reason(s) below:

All papers filed by the applicant does not comply with the rules including Rules 37 CFR 1.85(a); 37 CFR 1.111; CFR 1.121; 37 CFR 1.125; ...and the time for applicant to respond timely to the Office action has expired.

/Thong Nguyen/  
Primary Examiner, Art Unit 2872

Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to minimize any negative effects on patent term.

16/09/09



UNITED STATES PATENT AND TRADEMARK OFFICE

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United States Patent and Trademark Office  
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Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
08/809,620	02/05/1998	VERNOIS GOULVEN		7803
7590 VERNOIS GOULVEN 1 RUE DES CHALETS VELIZY, 78140 FRANCE	09/16/2009		EXAMINER NGUYEN, THONG Q	
			ART UNIT 2872	PAPER NUMBER
			MAIL DATE 09/16/2009	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

US 08/809,620

11/10/09

DIR doc(2)

RAPPORT DE CONTROLE DE TRANSMISSION

HEURE : 11/10/2009 17:04  
NOM : VERNOIS GOULVEN  
FAX : +33297611127  
TEL : +33297440711  
SER. # : G01234567890

DATE, HEURE	11/10 17:02
NUMERO/NOM FAX	0015712738300
DUREE	00:01:31
PAGE(S)	04
RESULT	OK
MODE	STANDARD

11/10/09-16:11

1 US 08/809,620 (TE20091010)  
Fax to Mr. NGUYEN for Notice of Abandonment

Date : October 10, 2009

To : Mr. Thong Q. NGUYEN  
Art Unit 2872

Via fax 571 273 8300

From : Goulven VERNOIS  
8, sentier des Laminaires  
56610 ARRADON  
France

Tel 33 2 97 44 07 11  
Fax 33 2 97 61 11 27  
vernois.5678@wanadoo.fr

Subject : Application 08/809,620  
Notice of Abandonment 14 September 2009

Dear Sir,

I have read with surprise on Image File Wrapper your notice of abandonment.

This notice forgets the Interview on 24 April 2009 (wrongfully dated on 01 May 2009), and so, my 2 replies on 24/25 April 2009 and my statement of the substance of the interview on 24 May 2009.

These replies were sent with fax 571 273 0200 specially given by Mr. WARD during the interview to send reply and payment of 1175 \$.

In these conditions, the time for applicant to respond timely to the Office Action was not expired, because the last Office Action is this interview on 24 April 2009, and that the reply to this Office Action had been done timely.

The applicant is not responsible of the internal PTO dysfonctionnement of the transmission of documents and informations, in particular with faxes, or with interview.

In an other hand, I respectfully point out that the reply noted 10 October 2008 paragraph 1.(c) is not the last reply sent by the applicant about Office Action on 30 April 2008.

First, this reply is tittled "Preliminary reply to OA mailed on 04/30/08"

Second, a fax tittled "Reply to OA on 04/30/08" was sent on 24 October 2008, and it

**Date : October 10, 2009**

**To : Mr. Thong Q. NGUYEN  
Art Unit 2872**

**Via fax 571 273 8300**

**From : Gouven VERNOIS  
8, sentier des Laminaires  
56610 ARRADON  
France**

**Tel 33 2 97 44 07 11  
Fax 33 2 97 61 11 27  
vernois.5678@wanadoo.fr**

**Subject : Application 08/809,620  
Notice of Abandonment 14 September 2009**

Dear Sir,

I have read with surprise on Image File Wrapper your notice of abandonment.

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First, this reply is titled "Preliminary reply to OA mailed on 04/30/08"

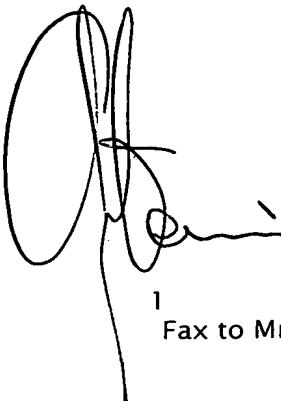
Second, a fax titled "Reply to OA on 04/30/08" was sent on 24 October 2008, and it appears on Image File Wrapper well on October 24, 2008.

I do not know who gives qualifiers noted on Image File Wrapper, for example "Not entered", but it seems to me that a such qualifier must be explained by the examiner to the applicant, and not been only and indirectly integrated in Notice of Abandonment almost one year later.

Because my replies faxed with fax 571 273 0200, fax specially given in interview for my reply and payment, are not in View Pair, I fax again these documents with this present fax 571 273 8300.

Truly Yours

Gouven VERNOIS



**Date : April 24, 2009**

**To : ????????? Mr Thong Q.Nguyen ??????  
Mr. Phone Caller To Day ??????  
Art Unit 2872**

**Via Fax 571 273 0200**

**From : Gouven VERNOIS  
8, sentier des Laminaires  
56610 ARRADON  
France**

**Tel 33 2 97 44 07 11  
Fax 33 2 97 61 11 27  
vernois.5678@wanadoo.fr**

**Application 08/809,620**

**Subject : Your request for  
1) Claims Listing  
2) 5 months Extension of Time  
3) Fees for Extension of Claims**

**Dear Sir,**

**I thank you for your phone call on morning today.**

**1) Claims Listing  
I have faxed the claims listing asked.  
This claims listing is the same that the one sended by fax 571 273 8300  
on 10/24/2008 as a reply to Office Action Mailed on 04/30/2008.**

**I SEE, on Translation History printed today 04/24/2009 :**

**10/10/2008 Substitute Specification Filed  
10/10/2008 New or Additional Drawing Filed  
10/06/2008 Miscellaneous Incoming Letter  
09/19/2008 Request for Extension of Time - Granted  
04/30/2008 Mail Miscellaneous Communication to Applicant**

**I do not see my fax on 10/24/2008 Claims Listing**

I SEE, on Bibliographic Data printed today 04/24/2009 :

**Status :** Non Final Action Mailed  
**Status Date :** 04/30/2008  
**Location :** ELECTRONIC

**2) Extension of Time**

**I have read "37 CFR 1.136 Extension of Time".**

**I do not understand why you call for 5 months Extension of Time.**

**There is not Office Action since the one on 04/30/2008, to which I have answered on 09/19/2008, with Request for Extension of Time, Request Granted.**

**It is not possible to fill in Form PTO/SB/22, neither under 37 CFR 1.136(a), nor 1.136(b), because a lack of Office Action.**

**3) Fees and payment**

**It is not possible to fill in Form PTO-2038 by lack of matter for section "Description of Request and Payment Information".**

**Dear Sir, I think that you had good reasons to call to me this morning, but, after examination of the problem, I can not reply totally to you.**

**Truly Yours**

**Goulven VERNOIS**

**Date : May 24, 2009**

**To : Paul V. WARD  
Art Unit 1624**

**Via fax 571 273 0200**

**From : Goulven VERNOIS  
8, sentier des Laminaires  
56610 ARRADON  
France**

**Tel 33 2 97 44 07 11  
Fax 33 2 97 61 11 27  
vernois.5678@wanadoo.fr**

**Subject : Interview on April 24, 2009**

**The subject of this interview was :**

**a) the FAST sending of claims : new claims listing ? new claims ? new sending of former claims ?**

**I have understand a new sending of the former claims listing.**

**b) the FAST sending of \$1175 for payment of 5 month extension of time, by Credit Card to fax to 571 273 0200 fax.**

**c) I do not remember that the names of callers, a woman who spoke English and a man who spoke a little French, have been given.**

**d) my main memory was the urgency of the sendings asked, and the early hours of this call on Alexandria time.**

**I have reply on April 25, 1h56 in night**

**Goulven VERNOIS**

After rereading of my notes, I had thought that it was possible that Mr. WARD had spoken of "claim 2" only, or second claims set, as I had said to Ms Cassandra SPYROU in a fax.

US 08/809,620

14/09/09

<b>Notice of Abandonment</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	08/809,620	GOULVEN, VENOIS	
	Examiner	Art Unit	
	Thong Nguyen	2872	

*-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--*

This application is abandoned in view of:

1.  Applicant's failure to timely file a proper reply to the Office letter mailed on 30 April 2008.
  - (a)  A reply was received on \_\_\_\_\_ (with a Certificate of Mailing or Transmission dated \_\_\_\_\_), which is after the expiration of the period for reply (including a total extension of time of \_\_\_\_\_ month(s)) which expired on \_\_\_\_\_.
  - (b)  A proposed reply was received on \_\_\_\_\_, but it does not constitute a proper reply under 37 CFR 1.113 (a) to the final rejection. (A proper reply under 37 CFR 1.113 to a final rejection consists only of: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114).
  - (c)  A reply was received on 10 October 2008 but it does not constitute a proper reply, or a bona fide attempt at a proper reply, to the non-final rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below).
  - (d)  No reply has been received.
2.  Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).
  - (a)  The issue fee and publication fee, if applicable, was received on \_\_\_\_\_ (with a Certificate of Mailing or Transmission dated \_\_\_\_\_), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85).
  - (b)  The submitted fee of \$\_\_\_\_\_ is insufficient. A balance of \$\_\_\_\_\_ is due.  
The issue fee required by 37 CFR 1.18 is \$\_\_\_\_\_. The publication fee, if required by 37 CFR 1.18(d), is \$\_\_\_\_\_.
  - (c)  The issue fee and publication fee, if applicable, has not been received.
3.  Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).
  - (a)  Proposed corrected drawings were received on \_\_\_\_\_ (with a Certificate of Mailing or Transmission dated \_\_\_\_\_), which is after the expiration of the period for reply.
  - (b)  No corrected drawings have been received.
4.  The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.
5.  The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.
6.  The decision by the Board of Patent Appeals and Interference rendered on \_\_\_\_\_ and because the period for seeking court review of the decision has expired and there are no allowed claims.
7.  The reason(s) below:

All papers filed by the applicant does not comply with the rules including Rules 37 CFR 1.85(a); 37 CFR 1.111; CFR 1.121; 37 CFR 1.125; ...and the time for applicant to respond timely to the Office action has expired.

/Thong Nguyen/  
Primary Examiner, Art Unit 2872

Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to minimize any negative effects on patent term.

US 08/809,620

12/05/09

DIR doc(3)

<b>Interview Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	08/809,620	GOULVEN, VEROIS
	<b>Examiner</b>	<b>Art Unit</b>
	PAUL V. WARD	1624

All participants (applicant, applicant's representative, PTO personnel):

(1) PAUL V. WARD.(3) GLORIA ANTHONY.(2) GOULVEN VEROIS.

(4) \_\_\_\_\_.

Date of Interview: 01 May 2009.

Type: a) Telephonic b) Video Conference  
 c) Personal [copy given to: 1) applicant 2) applicant's representative]

Exhibit shown or demonstration conducted: d) Yes e) No.  
 If Yes, brief description: \_\_\_\_\_.

Claim(s) discussed: \_\_\_\_\_.

Identification of prior art discussed: \_\_\_\_\_.

Agreement with respect to the claims f) was reached. g) was not reached. h) N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: See Continuation Sheet.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

/PAUL V WARD/ Examiner, Art Unit 1624	/J. O. W./ Supervisory Patent Examiner, Art Unit 1624
--	--

12/05/09

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Mr. Ward explained to Vernois that Mr. Ward was not the Examiner, but was translating in French for Ms. Anthony what was required to continue prosecution in this case. Mr. Ward and Ms. Anthony explained (in French) to Vernois that in order to continue examining the application, Applicant needed to submit a new set of claims and a fee for a 5 month extension of time to make the Amendment timely and compliant with rule 1.121. Vernois responded by saying that he would submit the new set of claims (by fax) and pay the fee.

M. Ward a expliqué à Vernois que M. Ward n'était pas "l'Examinateur", mais traduisait en français pour Mme Anthony ce qui était required pour continuer à examiner la demande de brevet.

M. Ward et Mme Anthony ont expliqué (en français) à Vernois que pour continuer pour examiner la demande(l'application), le Candidat a eu besoin de soumettre un nouveau jeu de réclamations et des honoraires pendant un 5 mois extension de temps, pour faire l'Amendement opportun et docile avec la Règle/l'Autorité 1. 121. Vernois a répondu en disant qu'il soumettrait le nouveau jeu de réclamations (selon le fax ou telecopie) et payerait les honoraires.

12/08/09



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
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Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
08/809,620	02/05/1998	VERNOIS GOULVEN		7803
7590	05/12/2009		EXAMINER	
VERNOIS GOULVEN 1 RUE DES CHALETS VELIZY, 78140 FRANCE			NGUYEN, THONG Q	
		ART UNIT	PAPER NUMBER	
		2872		
		MAIL DATE	DELIVERY MODE	
		05/12/2009	PAPER	

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

12/05/09

## Summary of Record of Interview Requirements

### Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

### Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

### 37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,  
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

### Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

RAPPORT DE CONTROLE DE TRANSMISSION

A VI ①  
HEURE : 24/04/2009 19:42  
NOM : VENOIS GOULVEN  
FAX : +33297611127  
TEL : +33297440711  
SER. # : G01234567890

DATE, HEURE  
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MODE

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STANDARD

DIR doc (4)

1571 273 0200

24/04/09-19:05

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US 08/809,620 (TE20081024)  
Reply to OA on 04/30/08

This text printed on 24/04/09 (04/24/09)  
is the same as the printed one of course!  
on 24/10/08 and faxed  
on 10/24/08 of course -

Date : October 23, 2008

To : Mr Thong Q. Nguyen  
Art Unit 2872

Via fax 571 273 ~~8300~~ 0200

From : Coulven Vernois  
8, sentier des Laminaires  
56610 ARRADON  
France

Tel 33 2 97 44 07 11  
Fax 33 2 97 61 11 27  
vernois.56/8@wanadoo.fr

Application 08/809,620

Subject : Reply to Office Action mailed on 04/30/2008

Claims listings

18 sheets with this

This text printed on 24/04/09 (04/24/09)  
 is the same as the printed one of course!  
 on 24/10/08 and faxed  
 on 10/24/08 of course -

Date : October 23, 2008

To : Mr Thong Q. Nguyen  
 Art Unit 2872

Via fax 571 273 ~~8300~~ 0200

From : Goulven Vernois  
 8, sentier des Laminaires  
 56610 ARRADON  
 France

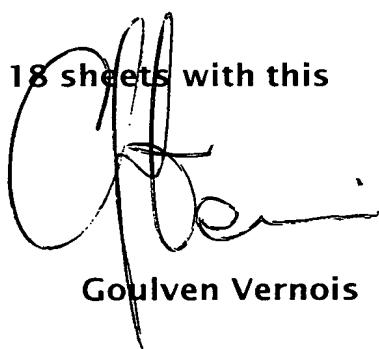
Tel 33 2 97 44 07 11  
 Fax 33 2 97 61 11 27  
[vernois.5678@wanadoo.fr](mailto:vernois.5678@wanadoo.fr)

Application 08/809,620

Subject : Reply to Office Action mailed on 04/30/2008

Claims listings

18 sheets with this

  
 Goulven Vernois

2th text with  
 signatures for the  
 text

**Date : October 23, 2008**

**To : Mr Thong Q. Nguyen  
Art Unit 2872**

**Via fax 571 273 8300**

**From : Goulven Vernois  
8, sentier des Laminaires  
56610 ARRADON  
France**

**Tel 33 2 97 44 07 11  
Fax 33 2 97 61 11 27  
vernois.5678@wanadoo.fr**

**Application 08/809,620**

**Subject : Reply to Office Action mailed on 04/30/2008**

**Claims listings**

**18 sheets with this**

**Goulven Vernois**

Dear Sir,

**A - Substitute specification and drawings**

I hope the substitute specification and the drawings to be in order now, with previous faxs on 10/05/08 and on 10/10/08, with previous documents (TE20060717a) and (TE20060717c).

**B - About merits of the claims** in Office Action 2/16/06.

It has been answered by fax on 07/17/06, previous document (TE20060717a), page 2 lines 34-35 where the applicant respectfully invite the examiner to see US patent 6,676,262 B1 for the folding of the membranous mirror and of the actuating membrane, and pages 10-11.

More, the claim 1 has been amended by cancelation of the word "independent".

**C - Claims under 37 CFR 1.121(c)**

If I understand well your Office Action on 04/30/2008, page 4, lines 1 and 2, **the claims filed on 06/28/01 are good entered claims.**

(These claims have been mailed by DHL in reply to Office Action mailed on April 11, 2001.)

**The future amendments will be made from this claims listing under 37CFR 1.121(c)**

**D - Big mistake whith the claim 45** which has been twice used as "new" with two different subjects.

The first claim 45(new) does not seem to be canceled, and an other claim 45(new) has been used.

**New claim 45 - On november 19, 1999, applicant sent a fax at 12h 30 (french hour).**

45 (new) - Optical device according to claim 18 characterized in that a ring, on which the materials constituting a membrane can be deposited, is fixed in a removable way on the revolving container, and in that the said ring allows the handling of the membrane.

**In amendments on 07/12/06, a new claim 45 is used; see page 5**

**45 (new) - Telescope optical device according to claim 1,**

characterized in that there are two levels of control to give at the free membranous mirror a perfect shape :

In a first level, an approximate shape is given to the free actuating membrane by interaction of a magnetic field tied to the telescope with magnetic fields generated by actuating membrane;

in a second level, a perfect form is given to the free membranous mirror by electrostatic interaction of the free actuating membrane with the free membranous mirror.

So, for correction, the two claims 45 and the followings, 46, 47, 48 and 49 will be "canceled", and the numbering will restart from new claim 50 to new claim 53, under 37 CFR 1.121(c)(5), at least I hope for.

In a first time the claim 45 of the entered clean version on 06/28/01 will be currently canceled.

The problem of the second claims 45 will be treated after the clean version of amendments faxed on 07/17/06. - See below page 12

**E - Other replies to Office Action on 04/30/08 - See below, page 15**

**ENTERED CLAIMS FILED ON 6/28/01**

**The clean version with status indicator of the claims filed on 6/28/01 and accepted as "entered" is so the following.**

**Claims**

1 (amended) - Optical device comprising a mirror and a device actuating the mirror, characterized in that the mirror and the actuating device are independent concave membranes (called membranous mirror and actuating membrane).

14 (amended) - Optical device according to claim 1 characterized in that the actuating membrane and the membranous mirror are made totally or partially of a material having shape memory.

15 (amended) - Optical device according to claim 1 characterized in that, for their folding, the concave actuating membrane and the concave membranous mirror are made quasi plane by the formation of concentric circular undulations obtained by a succession of centred distortion alternately concave and convex, and the quasi plane one thus obtained rolled up on itself according to a diameter.

18 (amended) - Optical device according to claim 1 characterized in that the actuating membrane and the membranous mirror are obtained by material deposit on a liquid contained in a container rotating around a vertical axis.

19 (amended) - Optical device according to claim 1 characterized in that the membranous mirror and the actuating membrane have central and/or peripheral flanges

44 (new) - Optical device according to claim 1 characterized in that the distance between the actuating membrane and the membranous mirror is monitored permanently by capacitive coupling between said actuating membrane and said membranous mirror.

45 (new) - Optical device according to claim 18 characterized in that a ring, on which the materials constituting a membrane can be deposited, is fixed in a removable way on the revolving container, and in that the said ring allows the handling of the membrane.

**All the other claims are considered as canceled previously.**

**The future amendments will be made from this claims listing under 37CFR 1.121(c)**

**CURRENT AMENDMENT**

**Clean version with status indicator of the claims filed on 6/28/01 and accepted as "entered", with CURRENT cancelation of claim 45.**

**Claims**

1 (amended) - Optical device comprising a mirror and a device actuating the mirror, characterized in that the mirror and the actuating device are independent concave membranes (called membranous mirror and actuating membrane).

14 (amended) - Optical device according to claim 1 characterized in that the actuating membrane and the membranous mirror are made totally or partially of a material having shape memory.

15 (amended) - Optical device according to claim 1 characterized in that, for their folding, the concave actuating membrane and the concave membranous mirror are made quasi plane by the formation of concentric circular undulations obtained by a succession of centred distortion alternately concave and convex, and the quasi plane one thus obtained rolled up on itself according to a diameter.

18 (amended) - Optical device according to claim 1 characterized in that the actuating membrane and the membranous mirror are obtained by material deposit on a liquid contained in a container rotating around a vertical axis.

19 (amended) - Optical device according to claim 1 characterized in that the membranous mirror and the actuating membrane have central and/or peripheral flanges

44 (new) - Optical device according to claim 1 characterized in that the distance between the actuating membrane and the membranous mirror is monitored permanently by capacitive coupling between said actuating membrane and said membranous mirror.

45 (canceled)

**Cancelation of claims 14, 18, 19, 44**

**Claims listing filed on 07/12/06 (but faxed on 07/17/06...)**  
**(TE20060717b) page 7**

**Working document with text of canceled claims, as original text.**

**07/12/06 Amendments CLAIMS (TE20060526)**

**1 (twice amended)-** Telescope optical device comprising a mirror and a device actuating the mirror,

characterized in that the mirror and the actuating device are independent concave free concave membranes (called membranous mirror and actuating membrane) without contact between them, or with an other device, free at their peripheries and tied by their central parts to the telescope..

**14 (canceled)-** Optical device according to claim 1 characterized in that the actuating membrane and the membranous mirror are made totally or partially of a material having shape memory

**18 (canceled)-** Optical device according to claim 1 characterized in that the actuating membrane and the membranous mirror are obtained by material deposit on a liquid contained in a container rotating around a vertical axis.

**19 (canceled)-** Optical device according to claim 1 characterized in that the membranous mirror and the actuating membrane have central and/or peripheral flanges

**44 (canceled)-** Optical device according to claim 1 characterized in that the distance between the actuating membrane and the membranous mirror is monitored permanently by capacitive coupling between said actuating membrane and said membranous mirror.

**45 (new) –** Telescope optical device according to claim 1,

characterized in that there are two levels of control to give at the free membranous mirror a perfect shape :

In a first level, an approximate shape is given to the free actuating membrane by interaction of a magnetic fields tied to the telescope with magnetic fields generated by actuating membrane;

in a second level, a perfect form is given to the free membranous mirror by electrostatic interaction of the free actuating membrane with the free membranous mirror.

**46 (new) –** Telescope optical device according to claim 1,

characterized in that by use of the capacitive coupling between the conductive layer of the mirror and specific electrodes of the actuating membrane, the spread electronic integrated in the actuating membrane acts for the self-stabilisation of the shape of the system mirror--actuating membrane

**47 (new - 15 twice amended)** - Optical device according to claim 1 characterized in that, for their folding, the concave actuating membrane and the concave membranous mirror are made quasi plane by the formation of concentric circular undulations obtained by a succession of centred distortion alternately concave and convex, and the quasi plane one thus obtained rolled up on itself according to a diameter for its folding, the concave membranous mirror is deformed by the formation of concentric circular undulations obtained by a succession of centered distorsions alternately concave and convex, altering the pure concave surface of the membranous mirror in a circular surface comprising a series of circular centered wawes whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.

**48 (new - 15 three amended)** Optical device according to claim 1 characterized in that, for their folding, the concave actuating membrane and the concave membranous mirror are made quasi plane by the formation of concentric circular undulations obtained by a succession of centred distortion alternately concave and convex, and the quasi plane one thus obtained rolled up on itself according to a diameter for its folding, the concave membranous actuating membrane is deformed by the formation of concentric circular undulations obtained by a succession of centered distorsions alternately concave and convex, altering the pure concave surface of the membranous mirror in a circular surface comprising a series of circular centered wawes whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.

**Amendments claims on 07/12/06 (07/17/06) (TE20060526)****Marked up version****Claims**

1 (amended) - Optical device comprising a mirror and a device actuating the mirror, characterized in that the mirror and the actuating device are free independent concave membranes (~~called membranous mirror and actuating membrane~~) without contact between them, or with other device, and tied by their central parts to the telescope.

*Claims 14, 18, 19, 44 canceled (Current work 10/20/08)*

**45 (new) - Telescope optical device according to claim 1,**

characterized in that there are two levels of control to give at the free membranous mirror a perfect shape :

In a first level, an approximate shape is given to the free actuating membrane by interaction of a magnetic field tied to the telescope with magnetic fields generated by actuating membrane;

in a second level, a perfect form is given to the free membranous mirror by electrostatic interaction of the free actuating membrane with the free membranous mirror.

**46 (new) - Telescope optical device according to claim 1,**

characterized in that by use of the capacitive coupling between the conductive layer of the mirror and specific electrodes of the actuating membrane, the spread electronic integrated in the actuating membrane acts for the self-stabilisation of the shape of the system mirror-actuating membrane.

**47 (new - 15 third amended) - Optical device according to claim 1,**

characterized in that, for its folding, the concave membranous mirror is deformed by the formation of concentric circular ondulations obtained by a succession of centered distortions alternately concave and convex, altering the pure concave surface of the membranous mirror in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.

**48 (new - 15 third amended) Optical device according to claim 1,**

characterized in that, for its folding, the concave membranous actuating membrane is deformed by the formation of concentric circular ondulations obtained by a succession of centered distortions alternately concave and convex, altering the pure concave surface of the actuating membrane in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.

**Clean version under 37CFR 1.121(c) - Claim 15 not canceled****47 (new - 15 third amended) - 48 (new - 15 third amended)**

07/12/06 CLAIMS (TE20060526)

**1 (twice amended)**- Telescope optical device comprising a mirror and a device actuating the mirror,

characterized in that the mirror and the actuating device are free concave membranes without contact between them, or with other device, and tied by their central parts to the telescope.

**14 (canceled), 18 (canceled), 19 (canceled), 44 (canceled)**

**45 (new)** - Telescope optical device according to claim 1,

characterized in that there are two levels of control to give at the free membranous mirror a perfect shape :

In a first level, an approximate shape is given to the free actuating membrane by interaction of a magnetic field tied to the telescope with magnetic fields generated by actuating membrane;

in a second level, a perfect form is given to the free membranous mirror by electrostatic interaction of the free actuating membrane with the free membranous mirror.

**46 (new)** - Telescope optical device according to claim 1,

characterized in that by use of the capacitive coupling between the conductive layer of the mirror and specific electrodes of the actuating membrane, the spread electronic integrated in the actuating membrane acts for the self-stabilisation of the shape of the system mirror--actuating membrane.

**47 (new - 15 third amended)** - Optical device according to claim 1,

characterized in that, for its folding, the concave membranous mirror is deformed by the formation of concentric circular ondulations obtained by a succession of centered distorsions alternately concave and convex, altering the pure concave surface of the membranous mirror in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.

**48 (new - 15 third amended)** Optical device according to claim 1,

characterized in that, for its folding, the concave membranous actuating membrane is deformed by the formation of concentric circular ondulations obtained by a succession of centered distorsions alternately concave and convex, altering the pure concave surface of the actuating membrane in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.

**Clean version under 37CFR 1.121(c) – Claim 15 canceled****47 (new) – 48 (new)****07/12/06 CLAIMS (TE20060526)**

**1 (twice amended)**- Telescope optical device comprising a mirror and a device actuating the mirror,

characterized in that the mirror and the actuating device are free concave membranes without contact between them, or with other device, and tied by their central parts to the telescope.

**14 (canceled), 15 (canceled), 18 (canceled), 19 (canceled), 44 (canceled)**

**45 (new)** – Telescope optical device according to claim 1,

characterized in that there are two levels of control to give at the free membranous mirror a perfect shape :

In a first level, an approximate shape is given to the free actuating membrane by interaction of a magnetic field tied to the telescope with magnetic fields generated by actuating membrane;

in a second level, a perfect form is given to the free membranous mirror by electrostatic interaction of the free actuating membrane with the free membranous mirror.

**46 (new)** – Telescope optical device according to claim 1,

characterized in that by use of the capacitive coupling between the conductive layer of the mirror and specific electrodes of the actuating membrane, the spread electronic integrated in the actuating membrane acts for the self-stabilisation of the shape of the system mirror-actuating membrane.

**47 (new)** - Optical device according to claim 1,

characterized in that, for its folding, the concave membranous mirror is deformed by the formation of concentric circular ondulations obtained by a succession of centered distorsions alternately concave and convex, altering the pure concave surface of the membranous mirror in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.

**48 (new)** Optical device according to claim 1,

characterized in that, for its folding, the concave membranous actuating membrane is deformed by the formation of concentric circular ondulations obtained by a succession of centered distorsions alternately concave and convex, altering the pure concave surface of the actuating membrane in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.

**Mistake in the numbering of the claims.**

**The number 45, with the status of new, has soon be used in entered claims listings filed on 06/28/01, with the same status of new, but for an other object.**

**This claim 45 (new) does not seem to have been canceled in claims listing filed after 06/28/01, on 07/12/06, with others claims 14, 18, 19 and 44, in marked up version (see page 6)**

**It has been canceled by a CURRENT amendment page 5**

**So, for correction, the second claims 45, and claims 46, 47, 48 and 49 will be canceled, and the numbering will restart from new claim 50 to new claim 53, under 37 CFR 1.121(c)(5).**

**CURRENT AMENDMENTS**

**Working document, with text of canceled claims to allow to see that the new claims 50, 51, 52, 53 are identical to the canceled 46, 47, 48, 49.**

**Corrected 07/12/06 CLAIMS (TE20060526)**

**1 (twice amended)**- Telescope optical device comprising a mirror and a device actuating the mirror,

characterized in that the mirror and the actuating device are free concave membranes without contact between them, or with other device, and tied by their central parts to the telescope..

**14-15 (canceled), 18-19 (canceled), 44 (canceled)**

**45 (canceled)**

**46 (canceled)** - Telescope optical device according to claim 1,

characterized in that there are two levels of control to give at the free membranous mirror a perfect shape :

In a first level, an approximate shape is given to the free actuating membrane by interaction of a magnetic field tied to the telescope with magnetic fields generated by actuating membrane;

in a second level, a perfect form is given to the free membranous mirror by electrostatic interaction of the free actuating membrane with the free membranous mirror.

**47 (canceled)** - Telescope optical device according to claim 1,

characterized in that by use of the capacitive coupling between the conductive layer of the mirror and specific electrodes of the actuating membrane, the spread electronic integrated in the actuating membrane acts for the self-stabilisation of the shape of the system mirror-actuating membrane.

**48 (canceled)** - Optical device according to claim 1,

characterized in that, for its folding, the concave membranous mirror is deformed by the formation of concentric circular ondulations obtained by a succession of centered distortions alternately concave and convex, altering the pure concave surface of the membranous mirror in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.

**49 (canceled)** Optical device according to claim 1,

characterized in that, for its folding, the concave membranous actuating membrane is deformed by the formation of concentric circular ondulations obtained by a succession of

centered distortions alternately concave and convex, altering the pure concave surface of the actuating membrane in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.

**50 (new) Telescope optical device according to claim 1,**

characterized in that there are two levels of control to give at the free membranous mirror a perfect shape :

In a first level, an approximate shape is given to the free actuating membrane by interaction of a magnetic field tied to the telescope with magnetic fields generated by actuating membrane;

in a second level, a perfect form is given to the free membranous mirror by electrostatic interaction of the free actuating membrane with the free membranous mirror.

**51 (new) Telescope optical device according to claim 1,**

characterized in that by use of the capacitive coupling between the conductive layer of the mirror and specific electrodes of the actuating membrane, the spread electronic integrated in the actuating membrane acts for the self-stabilisation of the shape of the system mirror--actuating membrane.

**52 (new) Optical device according to claim 1,**

characterized in that, for its folding, the concave membranous mirror is deformed by the formation of concentric circular ondulations obtained by a succession of centered distortions alternately concave and convex, altering the pure concave surface of the membranous mirror in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.

**53 (new) Optical device according to claim 1,**

characterized in that, for its folding, the concave membranous actuating membrane is deformed by the formation of concentric circular ondulations obtained by a succession of centered distortions alternately concave and convex, altering the pure concave surface of the actuating membrane in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.

**CURRENT AMENDMENT**

**Amended claims as they would must appear on 07/12/06 after correction of mistake twice claim 45, with new claims 50-53**

**New claims listing on October 24, 2008**

**1(twice amended)-** Telescope optical device comprising a mirror and a device actuating the mirror,

characterized in that the mirror and the actuating device are free concave membranes without contact between them, or with other device, and tied by their central parts to the telescope.

**14-15 (canceled), 18-19 (canceled), 44 (canceled), 45-49 (canceled)**

**50(new)** Telescope optical device according to claim 1,

characterized in that there are two levels of control to give at the free membranous mirror a perfect shape :

In a first level, an approximate shape is given to the free actuating membrane by interaction of a magnetic field tied to the telescope with magnetic fields generated by actuating membrane;

in a second level, a perfect form is given to the free membranous mirror by electrostatic interaction of the free actuating membrane with the free membranous mirror.

**51(new)** Telescope optical device according to claim 1,

characterized in that by use of the capacitive coupling between the conductive layer of the mirror and specific electrodes of the actuating membrane, the spread electronic integrated in the actuating membrane acts for the self-stabilisation of the shape of the system mirror--actuating membrane.

**52(new)** Optical device according to claim 1,

characterized in that, for its folding, the concave membranous mirror is deformed by the formation of concentric circular ondulations obtained by a succession of centered distorsions alternately concave and convex, altering the pure concave surface of the membranous mirror in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.

**53(new)** Optical device according to claim 1,

characterized in that, for its folding, the concave membranous actuating membrane is deformed by the formation of concentric circular ondulations obtained by a succession of centered distorsions alternately concave and convex, altering the pure concave surface of the actuating membrane in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.

**E – Other replies to Office Action on 04/30/08**

1) I ask for cancelation of the word "electrostatic" in claim 50(**new**).

2) I ask for cancelation of the last lines :

"and in that the thin flat object so obtained is wound onto itself,  
forming a cylinder."

in claims 52(**new**) and 53(**new**).

**Marked up version of new claims listing on October 24, 2008, for cancellation of word "electrostatic" in claim 50(new) and of the last lines in claims 52(new) and 53(new)**

**1(twice amended)-** Telescope optical device comprising a mirror and a device actuating the mirror,

characterized in that the mirror and the actuating device are free concave membranes without contact between them, or with other device, and tied by their central parts to the telescope.

**14-15 (canceled), 18-19 (canceled), 44 (canceled), 45-49 (canceled)**

**50(new)** Telescope optical device according to claim 1,

characterized in that there are two levels of control to give at the free membranous mirror a perfect shape :

In a first level, an approximate shape is given to the free actuating membrane by interaction of a magnetic field tied to the telescope with magnetic fields generated by actuating membrane;

in a second level, a perfect form is given to the free membranous mirror by **electrostatic** interaction of the free actuating membrane with the free membranous mirror.

**51(new)** Telescope optical device according to claim 1,

characterized in that by use of the capacitive coupling between the conductive layer of the mirror and specific electrodes of the actuating membrane, the spread electronic integrated in the actuating membrane acts for the self-stabilisation of the shape of the system mirror--actuating membrane.

**52(new)** Optical device according to claim 1,

characterized in that, for its folding, the concave membranous mirror is deformed by the formation of concentric circular ondulations obtained by a succession of centered distorsions alternately concave and convex, altering the pure concave surface of the membranous mirror in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

~~and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.~~

**53(new)** Optical device according to claim 1,

characterized in that, for its folding, the concave membranous actuating membrane is deformed by the formation of concentric circular ondulations obtained by a succession of centered distorsions alternately concave and convex, altering the pure concave surface of the actuating membrane in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

~~and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.~~

**Clean version of claims listing on October 24, 2008, after cancelation of word "electrostatic" in claim 50(new), and last lines in claims 52(new) and 53(new) .**

**1 (twice amended)-** Telescope optical device comprising a mirror and a device actuating the mirror,

characterized in that the mirror and the actuating device are free concave membranes without contact between them, or with other device, and tied by their central parts to the telescope.

**14-15 (canceled), 18-19 (canceled), 44 (canceled), 45-49 (canceled)**

**50 (amended)** Telescope optical device according to claim 1,

characterized in that there are two levels of control to give at the free membranous mirror a perfect shape :

In a first level, an approximate shape is given to the free actuating membrane by interaction of a magnetic field tied to the telescope with magnetic fields generated by actuating membrane;

in a second level, a perfect form is given to the free membranous mirror by interaction of the free actuating membrane with the free membranous mirror.

**51 (new)** Telescope optical device according to claim 1,

characterized in that by use of the capacitive coupling between the conductive layer of the mirror and specific electrodes of the actuating membrane, the spread electronic integrated in the actuating membrane acts for the self-stabilisation of the shape of the system mirror--actuating membrane.

**52 (amended)** Optical device according to claim 1,

characterized in that, for its folding, the concave membranous mirror is deformed by the formation of concentric circular ondulations obtained by a succession of centered distortions alternately concave and convex, altering the pure concave surface of the membranous mirror in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

**53 (amended)** Optical device according to claim 1,

characterized in that, for its folding, the concave membranous actuating membrane is deformed by the formation of concentric circular ondulations obtained by a succession of centered distortions alternately concave and convex, altering the pure concave surface of the actuating membrane in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

**F - New figure 6** - Now, to answer to the legitimate worry of the examiner about the figure 6, a single narrow line, it is simple to consider a membranous mirror of (moderate) diameter 10 meters and thickness 10 microns.

It is easy to have crest to crest thickness of 1 mm, without permanent residual distortion after unfolding in space.

At the scale of 10 cm pour 10 m, it is 1/100, the crest to crest thickness on the figure will be 1/100 mm.

For the actuating membrane of thickness of, for example, 100 microns, the thickness of the figure is 1/10 mm, in the order of the narrowest line made by standard printer or by ball-point pen.

That would be exactly the same thing with a 100 meters diameter membranous mirror.

So, the narrow line is the best representative figure.

(My patent 6,676,262 B1 is always a good reading...)

**G - For the fun** - If you consider a pure geometrical concave surface, without thickness but with a suitable strength modulus of course, the crest to crest will be at the limite really zero because the waves number can be infinite.

The true length will be always the length of the diametral arc of the concave surface, however can be the deep or arrow of the concave surface.

The real surface area of the transformed pure geometrical concave surface does not will be the classical projection of this concave surface on a plan, but well the surface area of this pure geometrical concave surface itself.

This topological entertainment is for the fun, of course! (You deserve, after the reading of my paper...)

**Respectfully Yours**

**Goulven Vernois**

08 08/809,620  
RAPPORT DE CONTROLE DE TRANSMISSION

DIR doc(5)  
HEURE : 25/04/2009 01:56  
NOM : VERNOIS GOULVEN  
FAX : +33297611127  
TEL : +33297440711  
FR. # : G01234567890

DIR doc(5)

DATE, HEURE  
NUMERO/NOM FAX  
DUREE  
PAGE(S)  
RESULT  
MODE

25/04 01:55  
0015712730200  
00:00:55  
02  
OK  
STANDARD

1571 273 0200

25/04/09-01:40

US 08/809,620 (TE20090424)  
Reply to phone call 04/24/09

Date : April 24, 2009

To : ????????? Mr Thong Q.Nguyen ??????  
Mr. Phone Caller To Day ??????  
Art Unit 2872

Via Fax 571 273 0200

From : Goulen VERNOIS  
8, sentier des Laminaires  
56610 ARRADON  
France

Tel 33 2 97 44 07 11  
Fax 33 2 97 61 11 27  
[vernois.5678@wanadoo.fr](mailto:vernois.5678@wanadoo.fr)

Application 08/809,620

Subject : Your request for  
1) Claims Listing  
2) 5 months Extension of Time  
3) Fees for Extension of Claims Time

Dear Sir,

I thank you for your phone call on morning today.

1) Claims Listing

I have faxed the claims listing asked

**Date : April 24, 2009**

**To : ????????? Mr Thong Q.Nguyen ??????  
Mr. Phone Caller To Day ??????  
Art Unit 2872**

**Via Fax 571 273 0200**

**From : Goulven VERNOIS  
8, sentier des Laminaires  
56610 ARRADON  
France**

**Tel 33 2 97 44 07 11  
Fax 33 2 97 61 11 27  
vernois.5678@wanadoo.fr**

**Application 08/809,620**

**Subject : Your request for  
1) Claims Listing  
2) 5 months Extension of Time  
3) Fees for Extension of Claims**

**Dear Sir,**

**I thank you for your phone call on morning today.**

**1) Claims Listing  
I have faxed the claims listing asked.  
This claims listing is the same that the one sended by fax 571 273 8300  
on 10/24/2008 as a reply to Office Action Mailed on 04/30/2008.**

**I SEE, on Translation History printed today 04/24/2009 :**

**10/10/2008 Substitute Specification Filed  
10/10/2008 New or Additional Drawing Filed  
10/06/2008 Miscellaneous Incoming Letter  
09/19/2008 Request for Extension of Time - Granted  
04/30/2008 Mail Miscellaneous Communication to Applicant**

**I do not see my fax on 10/24/2008 Claims Listing**

**I SEE, on Bibliographic Data printed today 04/24/2009 :**

**Status : Non Final Action Mailed**  
**Status Date : 04/30/2008**  
**Location : ELECTRONIC**

**2) Extension of Time**

**I have read "37 CFR 1.136 Extension of Time".**

**I do not understand why you call for 5 months Extension of Time.**

**There is not Office Action since the one on 04/30/2008, to which I have answered on 09/19/2008, with Request for Extension of Time, Request Granted.**

**It is not possible to fill in Form PTO/SB/22, neither under 37 CFR 1.136(a), nor 1.136(b), because a lack of Office Action.**

**3) Fees and payment**

**It is not possible to fill in Form PTO-2038 by lack of matter for section "Description of Request and Payment Information".**

**Dear Sir, I think that you had good reasons to call to me this morning, but, after examination of the problem, I can not reply totally to you.**

**Truly Yours**

**Goulven VERNOIS**

~~AVI 23~~

24/05/09 21:43  
 HEURE : 24/05/2009 21:43  
 NOM : VERNOIS GOULVEN  
 FAX : +33297611127  
 TEL : +33297440711  
 SER. # : G01234567890

*Paul V. WARD*  
 DIR doc(6)  
 DIR doc(6)

DATE, HEURE  
 NUMERO/NOM FAX  
 DUREE  
 PAGE(S)  
 RESULT  
 MODE

24/05 21:42  
 0015712730200  
 00:00:40  
 01  
 OK  
 STANDARD

*571 273 0200*

24/05/09 21:26

08/809.620 (TE20090524)  
 Subject of interview on April 24

Date : May 24, 2009

To : Paul V. WARD  
 Art Unit 1624

Via fax 571 273 0200

From : Goulven VERNOIS  
 8, sentier des Laminaires  
 56610 ARRADON  
 France

Tel 33 2 97 44 07 11  
 Fax 33 2 97 61 11 27  
 vernois.5678@wanadoo.fr

Subject : Interview on April 24, 2009

The subject of this interview was :

a) the **FAST** sending of claims : new claims listing ? new claims ? new sending of former claims ?

I have understand a new sending of the former claims listing.

b) the **FAST** sending of \$1175 for payment of 5 month extension of time, by Credit Card to fax to 571 273 0200 fax.

c) I do not remember that the names of callers, a woman who spoke English and a man who spoke a little French, have been given.

d) my main memory was the urgency of the sendings asked, and the early hours of this call on Alexandria time.

**Date : May 24, 2009**

**To : Paul V. WARD  
Art Unit 1624**

**Via fax 571 273 0200**

**From : Goulven VERNOIS  
8, sentier des Laminaires  
56610 ARRADON  
France**

**Tel 33 2 97 44 07 11  
Fax 33 2 97 61 11 27  
vernois.5678@wanadoo.fr**

**Subject : Interview on April 24, 2009**

**The subject of this interview was :**

**a) the FAST sending of claims : new claims listing ? new claims ? new sending of former claims ?**

**I have understand a new sending of the former claims listing.**

**b) the FAST sending of \$1175 for payment of 5 month extension of time, by Credit Card to fax to 571 273 0200 fax.**

**c) I do not remember that the names of callers, a woman who spoke English and a man who spoke a little French, have been given.**

**d) my main memory was the urgency of the sendings asked, and the early hours of this call on Alexandria time.**

**I have reply on April 25, 1h56 in night**

**Goulven VERNOIS**

25/04/09

**Goulven VERNOIS**

De : "Goulven VERNOIS" <vernois.5678@wanadoo.fr>  
À : "Spyrou, Cassandra" <Cassandra.Spyrou@USPTO.GOV>  
Envoyé : samedi 25 avril 2009 19:28  
Objet : Phone call yesterday from PTO

Dear Guardian Angel,

I have received yesterday morning a surprising phone call from an employee of PTO.

He asked for a Claims Listing, a request for 5 months extension time, and of course for payment by Credit Card of 1175\$ fee !

And also the claim 2 ! This claim 2 is became claim 50 under the Office Action of 04/30/08 !

He gave me fax 571 273 0200

I have sent on this fax 571 273 0200 the Claims Listing already sent on 10/24/08 on fax 571 273 8300.

But it is no possible to ask for extension of time because lack of Office Action.

What is this ?

I have seen Translation History and Bibliographic Data on PAIR, and I do not undersatnd this request.

I have not seen my fax on 10/24/08 on History.

I send to you fax sent on 571 273 8300.

Dear Angel, save my application (the best space telescope for the futur ! ! !), and save my money !

Truly yours !

Goulven

DIR doc(7)

----- Original Message -----

From: "Spyrou, Cassandra" <Cassandra.Spyrou@USPTO.GOV>  
To: "Goulven VERNOIS" <vernois.5678@wanadoo.fr>  
Sent: Saturday, January 24, 2009 9:43 PM  
Subject: RE: Transaction History 08/809,620

## RAPPORT DE CONTROLE DE TRANSMISSION

08/809620 → Cassandra 25/04/09  
 HEURE : 25/04/2009 20:13  
 NOM : VERNOIS GOULVEN  
 FAX : +33297611127  
 TEL : +33297440711  
 SER. # : G01234567890

~~A VI 4~~  
 DATE, HEURE  
 NUMERO/NOM FAX  
 DUREE  
 PAGE(S)  
 RESULT  
 MODE

25/04 20:12  
 0015712738300  
 00: 00:59  
 03  
 OK  
 STANDARD

~~04/10/09~~  
 DIR doc(8)  
 DIR doc(8)

25/04/09-19:48

US 08/809,620 (TE20090425)  
 Phone call on 04/24/09

(1)

Date April 25, 2009

To Cassandra Spirou  
 Art Unit 2800

Via fax 571 273 8300

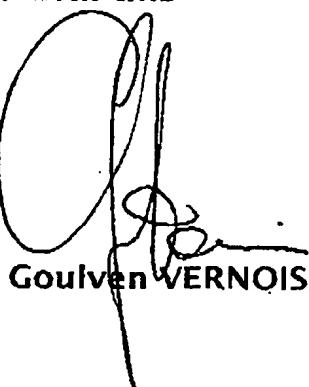
From : Goulven VERNOIS  
 8, sentier des Laminaires  
 56610 ARRADON  
 France

Tel 33 2 97 44 07 11  
 Fax 33 2 97 61 11 27

Application 08/809,620

Subject : Phone call received on 04/24/09

3 sheets with this

  
 Goulven VERNOIS

25/04/09-19:48

US 08/809,620 (TE20090425)  
Phone call on 04/24/09

A VI 4

①

**Date April 25, 2009**

**To Cassandra Spirou  
Art Unit 2800**

**Via fax 571 273 8300**

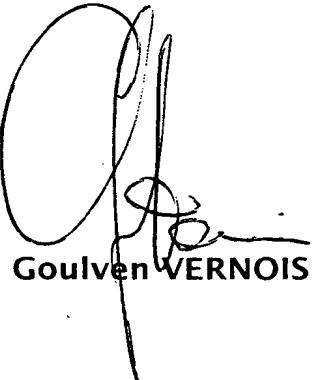
**From : Goulven VERNOIS  
8, sentier des Laminaires  
56610 ARRADON  
France**

**Tel 33 2 97 44 07 11  
Fax 33 2 97 61 11 27**

**Application 08/809,620**

**Subject : Phone call received on 04/24/09**

**3 sheets with this**

  
Goulven VERNOIS

25/04/09-19:48

US 08/809,620 (TE20090425)  
Phone call on 04/24/09

→ Cassandra SPIR ②

Date : April 24, 2009

To : ????????? Mr Thong Q.Nguyen ??????  
 Mr. Phone Caller To Day ??????  
 Art Unit 2872

???

Via Fax 571 273 0200

From : Goulven VERNOIS  
 8, sentier des Laminaires  
 56610 ARRADON  
 France

Tel 33 2 97 44 07 11  
 Fax 33 2 97 61 11 27  
[vernois.5678@wanadoo.fr](mailto:vernois.5678@wanadoo.fr)

Application 08/809,620

Subject : Your request for  
 1) Claims Listing  
 2) 5 months Extension of Time  
 3) Fees for Extension of ~~Claims~~ Time

Dear Sir,

I thank you for your phone call on morning today.

1) Claims Listing

I have faxed the claims listing asked.

This claims listing is the same that the one sended by fax 571 273 8300 on 10/24/2008 as a reply to Office Action Mailed on 04/30/2008.

I SEE, on Translation History printed today 04/24/2009 :

10/10/2008 Substitute Specification Filed  
 10/10/2008 New or Additional Drawing Filed  
 10/06/2008 Miscellaneous Incoming Letter  
 09/19/2008 Request for Extension of Time - Granted  
 04/30/2008 Mail Miscellaneous Communication to Applicant

I do not see my fax on 10/24/2008 Claims Listing

→ Cassandra SPIRA  
3

I SEE, on Bibliographic Data printed today 04/24/2009 :

Status : Non Final Action Mailed  
Status Date : 04/30/2008  
Location : ELECTRONIC

**2) Extension of Time**

**I have read "37 CFR 1.136 Extension of Time".**

**I do not understand why you call for 5 months Extension of Time.**

**There is not Office Action since the one on 04/30/2008, to which I have answered on 09/19/2008, with Request for Extension of Time, Request Granted.**

**It is not possible to fill in Form PTO/SB/22, neither under 37 CFR 1.136(a), nor 1.136(b), because a lack of Office Action.**

**3) Fees and payment**

**It is not possible to fill in Form PTO-2038 by lack of matter for section "Description of Request and Payment Information".**

**Dear Sir, I think that you had good reasons to call to me this morning, but, after examination of the problem, I can not reply totally to you.**

**Truly Yours**

**Goulven VERNOIS**

US 08/809,620

27/04/09

RAPPORT DE CONTROLE DE TRANSMISSION

~~ATT 5~~

POSITRONIC  
HEURE : 27/04/2009 16:05  
NOM : VERNOIS GOULVEN  
FAX : +33297611127  
TEL : +33297440711  
SER. # : G01234567890

DIR doc(9)

DATE, HEURE  
NUMERO/NOM FAX  
DUREE  
PAGE(S)  
RESULT  
MODE

27/04 15:56  
0015712738300  
00:08:44  
21  
OK  
STANDARD

20 + email par erreur.

27/04/09-15.37

US 08/809,620 (TE20090425)  
Phone call on 04/24/09

Date April 27, 2009

→ Cassandra Spyrou  
Art Unit 2800

To Cassandra SPYROU  
Art Unit 2800

1/20

Via fax 571 273 8300

From : Goulven VERNOIS  
8, sentier des Laminaires  
56610 ARRADON  
France

Tel 33 2 97 44 07 11  
Fax 33 2 97 61 11 27

Application 08/809,620

Subject : Phone call received on 04/24/09  
Reply to 04/30/08 Office Action faxed to Mr Nguyen on  
10/24/08, on fax 571 273 8300.  
Reply again faxed on 04/24/09 on fax 571 273 0200

Dear Cassandra,

I think that is communication problem (BIG ! - 1175\$ !) between fax 571 273 8300 and Art Unit 2872 !

I fax to you my reply already faxed on 10/24/08 on fax 571 273 8300 to Mr Nguyen.

I do not understand why this fax on 10/24/2008 is not on PAIR History.

Fax is faster than Gerard, and does not go via Auckland, as mail post!

27/04/09-15:37

A VI (5)

US 08/809,620 (TE20090425)  
Phone call on 04/24/09

Date April 27, 2009

To Cassandra SPYROU  
Art Unit 2800

Via fax 571 273 8300

From : Goulven VERNOIS  
8, sentier des Laminaires  
56610 ARRADON  
France

Tel 33 2 97 44 07 11  
Fax 33 2 97 61 11 27

Application 08/809,620

Subject : Phone call received on 04/24/09  
Reply to 04/30/08 Office Action faxed to Mr Nguyen on  
10/24/08, on fax 571 273 8300.  
Reply again faxed on 04/24/09 on fax 571 273 0200

Dear Cassandra,

I think that is communication problem (BIG ! - 1175\$ !) between fax 571 273 8300 and Art Unit 2872 !

I fax to you my reply already faxed on 10/24/08 on fax 571 273 8300 to Mr Nguyen.

I do not understand why this fax on 10/24/2008 is not on PAIR History.

Fax is faster than Gerard, and does not go via Auckland, as mail post!

I do not want pay 1175\$ for PTO internal dysfunction !!!!!!!!

Dear Cassandra, save my application and my money !

Goulven VERNOIS

20 sheets with this

27/04/09-15:37

US 08/809,620 (TE20090425)  
Phone call on 04/24/09

AT (5)

08/809,620

04/08/08

RAPPORT DE CONTROLE DE TRANSMISSION

Cassandra Spynou  
Art Unit 2800

HEURE : 24/10/2008 17:17  
NOM : VENOIS GOULVEN (2)  
FAX : +33297611127  
TEL : +33297440711  
SER. # : G01234567890

10/24/08

DATE, HEURE  
NUMERO/NOM FAX  
DUREE  
PAGE(S)  
RESULT  
MODE

24/10 17:13  
0015712738300 → 00 1571 273 8300  
00:04:48  
18  
OK  
STANDARD  
ECM

24/10/08 16:50

1

US 08/809,620 (TE20081024)  
Reply to OA on 04/30/08

Date : October 23, 2008

To : Mr Thong Q. Nguyen  
Art Unit 2872  
  
Via fax 571 273 8300  
  
From : Goulen Vernois  
8, sentier des Laminaires  
56610 ARRADON  
France

Tel 33 2 97 44 07 11  
Fax 33 2 97 61 11 27  
[vernois.5678@wanadoo.fr](mailto:vernois.5678@wanadoo.fr)

Application 08/809,620

Subject : Reply to Office Action mailed on 04/30/2008

Claims listings

18 sheets with this

**Date : October 23, 2008**

**To : Mr Thong Q. Nguyen  
Art Unit 2872**

**Via fax 571 273 8300**

**From : Goulven Vernois  
8, sentier des Laminaires  
56610 ARRADON  
France**

**Tel 33 2 97 44 07 11  
Fax 33 2 97 61 11 27  
vernois.5678@wanadoo.fr**

**Application 08/809,620**

**Subject : Reply to Office Action mailed on 04/30/2008**

**Claims listings**

**18 sheets with this**

**Goulven Vernois**

Dear Sir,

**A - Substitute specification and drawings**

I hope the substitute specification and the drawings to be in order now, with previous faxs on 10/05/08 and on 10/10/08, with previous documents (TE20060717a) and (TE20060717c).

**B - About merits of the claims** in Office Action 2/16/06.

It has been answered by fax on 07/17/06, previous document (TE20060717a), page 2 lines 34-35 where the applicant respectfully invite the examiner to see US patent 6,676,262 B1 for the folding of the membranous mirror and of the actuating membrane, and pages 10-11.

More, the claim 1 has been amended by cancelation of the word "independent".

**C - Claims under 37 CFR 1.121(c)**

If I understand well your Office Action on 04/30/2008, page 4, lines 1 and 2, the claims filed on 06/28/01 are good entered claims.

(These claims have been mailed by DHL in reply to Office Action mailed on April 11, 2001.)

**The future amendments will be made from this claims listing under 37CFR 1.121(c)**

**D - Big mistake whith the claim 45** which has been twice used as "new" with two different subjects.

The first claim 45(new) does not seem to be canceled, and an other claim 45(new) has been used.

**New claim 45 - On november 19, 1999, applicant sent a fax at 12h 30 (french hour).**

45 (new) - Optical device according to claim 18 characterized in that a ring, on which the materials constituting a membrane can be deposited, is fixed in a removable way on the revolving container, and in that the said ring allows the handling of the membrane.

**In amendments on 07/12/06, a new claim 45 is used; see page 5**

45 (new) - Telescope optical device according to claim 1,

characterized in that there are two levels of control to give at the free membranous mirror a perfect shape :

In a first level, an approximate shape is given to the free actuating membrane by interaction of a magnetic field tied to the telescope with magnetic fields generated by actuating membrane;

in a second level, a perfect form is given to the free membranous mirror by electrostatic interaction of the free actuating membrane with the free membranous mirror.

So, for correction, the two claims 45 and the followings, 46, 47, 48 and 49 will be "canceled", and the numbering will restart from new claim 50 to new claim 53, under 37 CFR 1.121(c)(5), at least I hope for.

In a first time the claim 45 of the entered clean version on 06/28/01 will be currently canceled.

The problem of the second claims 45 will be treated after the clean version of amendments faxed on 07/17/06. - See below page 12

E - Other replies to Office Action on 04/30/08 - See below, page 15

**ENTERED CLAIMS FILED ON 6/28/01**

**The clean version with status indicator of the claims filed on 6/28/01 and accepted as "entered" is so the following.**

**Claims**

1 (amended) - Optical device comprising a mirror and a device actuating the mirror, characterized in that the mirror and the actuating device are independent concave membranes (called membranous mirror and actuating membrane).

14 (amended) - Optical device according to claim 1 characterized in that the actuating membrane and the membranous mirror are made totally or partially of a material having shape memory.

15 (amended) - Optical device according to claim 1 characterized in that, for their folding, the concave actuating membrane and the concave membranous mirror are made quasi plane by the formation of concentric circular undulations obtained by a succession of centred distortion alternately concave and convex, and the quasi plane one thus obtained rolled up on itself according to a diameter.

18 (amended) - Optical device according to claim 1 characterized in that the actuating membrane and the membranous mirror are obtained by material deposit on a liquid contained in a container rotating around a vertical axis.

19 (amended) - Optical device according to claim 1 characterized in that the membranous mirror and the actuating membrane have central and/or peripheral flanges

44 (new) - Optical device according to claim 1 characterized in that the distance between the actuating membrane and the membranous mirror is monitored permanently by capacitive coupling between said actuating membrane and said membranous mirror.

45 (new) - Optical device according to claim 18 characterized in that a ring, on which the materials constituting a membrane can be deposited, is fixed in a removable way on the revolving container, and in that the said ring allows the handling of the membrane.

**All the other claims are considered as canceled previously.**

**The future amendments will be made from this claims listing under 37CFR 1.121(c)**

**CURRENT AMENDMENT**

**Clean version with status indicator of the claims filed on 6/28/01 and accepted as "entered", with CURRENT cancelation of claim 45.**

**Claims**

1 (amended) - Optical device comprising a mirror and a device actuating the mirror, characterized in that the mirror and the actuating device are independent concave membranes (called membranous mirror and actuating membrane).

14 (amended) - Optical device according to claim 1 characterized in that the actuating membrane and the membranous mirror are made totally or partially of a material having shape memory.

15 (amended) - Optical device according to claim 1 characterized in that, for their folding, the concave actuating membrane and the concave membranous mirror are made quasi plane by the formation of concentric circular undulations obtained by a succession of centred distortion alternately concave and convex, and the quasi plane one thus obtained rolled up on itself according to a diameter.

18 (amended) - Optical device according to claim 1 characterized in that the actuating membrane and the membranous mirror are obtained by material deposit on a liquid contained in a container rotating around a vertical axis.

19 (amended) - Optical device according to claim 1 characterized in that the membranous mirror and the actuating membrane have central and/or peripheral flanges

44 (new) - Optical device according to claim 1 characterized in that the distance between the actuating membrane and the membranous mirror is monitored permanently by capacitive coupling between said actuating membrane and said membranous mirror.

45 (canceled)

**Cancelation of claims 14, 18, 19, 44**

**Claims listing filed on 07/12/06 (but faxed on 07/17/06...)**  
**(TE20060717b) page 7**

**Working document with text of canceled claims, as original text.**

**07/12/06 Amendments CLAIMS (TE20060526)**

**1 (twice amended)-** Telescope optical device comprising a mirror and a device actuating the mirror,

characterized in that the mirror and the actuating device are ~~independent concave free concave membranes (called membranous mirror and actuating membrane)~~ without contact between them, or with an other device, free at their peripheries and tied by their central parts to the telescope..

**14 (canceled)-** Optical device according to claim 1 characterized in that the actuating membrane and the membranous mirror are made totally or partially of a material having shape memory

**18 (canceled)-** Optical device according to claim 1 characterized in that the actuating membrane and the membranous mirror are obtained by material deposit on a liquid contained in a container rotating around a vertical axis.

**19 (canceled)-** Optical device according to claim 1 characterized in that the membranous mirror and the actuating membrane have central and/or peripheral flanges

**44 (canceled)-** Optical device according to claim 1 characterized in that the distance between the actuating membrane and the membranous mirror is monitored permanently by capacitive coupling between said actuating membrane and said membranous mirror.

**45 (new) -** Telescope optical device according to claim 1,

characterized in that there are two levels of control to give at the free membranous mirror a perfect shape :

In a first level, an approximate shape is given to the free actuating membrane by interaction of a magnetic fields tied to the telescope with magnetic fields generated by actuating membrane;

in a second level, a perfect form is given to the free membranous mirror by electrostatic interaction of the free actuating membrane with the free membranous mirror.

**46 (new) -** Telescope optical device according to claim 1,

characterized in that by use of the capacitive coupling between the conductive layer of the mirror and specific electrodes of the actuating membrane, the spread electronic integrated in the actuating membrane acts for the self-stabilisation of the shape of the system mirror--actuating membrane

**47 (new - 15 twice amended)** - Optical device according to claim 1 characterized in that, for their folding, the concave actuating membrane and the concave membranous mirror are made quasi plane by the formation of concentric circular undulations obtained by a succession of centred distortion alternately concave and convex, and the quasi plane one thus obtained rolled up on itself according to a diameter for its folding, the concave membranous mirror is deformed by the formation of concentric circular undulations obtained by a succession of centered distorsions alternately concave and convex, altering the pure concave surface of the membranous mirror in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.

**48 (new - 15 three amended)** Optical device according to claim 1 characterized in that, for their folding, the concave actuating membrane and the concave membranous mirror are made quasi plane by the formation of concentric circular undulations obtained by a succession of centred distortion alternately concave and convex, and the quasi plane one thus obtained rolled up on itself according to a diameter for its folding, the concave membranous actuating membrane is deformed by the formation of concentric circular undulations obtained by a succession of centered distorsions alternately concave and convex, altering the pure concave surface of the membranous mirror in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.

**Amendments claims on 07/12/06 (07/17/06) (TE20060526)****Marked up version****Claims**

1 (amended) - Optical device comprising a mirror and a device actuating the mirror, characterized in that the mirror and the actuating device are free independent concave membranes (~~called membranous mirror and actuating membrane~~) without contact between them, or with other device, and tied by their central parts to the telescope.

*Claims 14, 18, 19, 44 canceled (Current work 10/20/08)*

**45 (new) - Telescope optical device according to claim 1,**

characterized in that there are two levels of control to give at the free membranous mirror a perfect shape :

In a first level, an approximate shape is given to the free actuating membrane by interaction of a magnetic field tied to the telescope with magnetic fields generated by actuating membrane;

in a second level, a perfect form is given to the free membranous mirror by electrostatic interaction of the free actuating membrane with the free membranous mirror.

**46 (new) - Telescope optical device according to claim 1,**

characterized in that by use of the capacitive coupling between the conductive layer of the mirror and specific electrodes of the actuating membrane, the spread electronic integrated in the actuating membrane acts for the self-stabilisation of the shape of the system mirror-actuating membrane.

**47 (new - 15 third amended) - Optical device according to claim 1,**

characterized in that, for its folding, the concave membranous mirror is deformed by the formation of concentric circular ondulations obtained by a succession of centered distortions alternately concave and convex, altering the pure concave surface of the membranous mirror in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.

**48 (new - 15 third amended) Optical device according to claim 1,**

characterized in that, for its folding, the concave membranous actuating membrane is deformed by the formation of concentric circular ondulations obtained by a succession of centered distortions alternately concave and convex, altering the pure concave surface of the actuating membrane in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.

**Clean version under 37CFR 1.121(c) - Claim 15 not canceled****47 (new - 15 third amended) - 48 (new - 15 third amended)**

07/12/06 CLAIMS (TE20060526)

**1 (twice amended)**- Telescope optical device comprising a mirror and a device actuating the mirror,

characterized in that the mirror and the actuating device are free concave membranes without contact between them, or with other device, and tied by their central parts to the telescope.

**14 (canceled), 18 (canceled), 19 (canceled), 44 (canceled)**

**45 (new)** - Telescope optical device according to claim 1,

characterized in that there are two levels of control to give at the free membranous mirror a perfect shape :

In a first level, an approximate shape is given to the free actuating membrane by interaction of a magnetic field tied to the telescope with magnetic fields generated by actuating membrane;

in a second level, a perfect form is given to the free membranous mirror by electrostatic interaction of the free actuating membrane with the free membranous mirror.

**46 (new)** - Telescope optical device according to claim 1,

characterized in that by use of the capacitive coupling between the conductive layer of the mirror and specific electrodes of the actuating membrane, the spread electronic integrated in the actuating membrane acts for the self-stabilisation of the shape of the system mirror--actuating membrane.

**47 (new - 15 third amended)** - Optical device according to claim 1,

characterized in that, for its folding, the concave membranous mirror is deformed by the formation of concentric circular ondulations obtained by a succession of centered distorsions alternately concave and convex, altering the pure concave surface of the membranous mirror in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.

**48 (new - 15 third amended)** Optical device according to claim 1,

characterized in that, for its folding, the concave membranous actuating membrane is deformed by the formation of concentric circular ondulations obtained by a succession of centered distorsions alternately concave and convex, altering the pure concave surface of the actuating membrane in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.

**Clean version under 37CFR 1.121(c) - Claim 15 canceled****47 (new) - 48 (new)****07/12/06 CLAIMS (TE20060526)**

**1 (twice amended)**- Telescope optical device comprising a mirror and a device actuating the mirror,

characterized in that the mirror and the actuating device are free concave membranes without contact between them, or with other device, and tied by their central parts to the telescope.

**14 (canceled), 15 (canceled), 18 (canceled), 19 (canceled), 44 (canceled)**

**45 (new)** - Telescope optical device according to claim 1,

characterized in that there are two levels of control to give at the free membranous mirror a perfect shape :

In a first level, an approximate shape is given to the free actuating membrane by interaction of a magnetic field tied to the telescope with magnetic fields generated by actuating membrane;

in a second level, a perfect form is given to the free membranous mirror by electrostatic interaction of the free actuating membrane with the free membranous mirror.

**46 (new)** - Telescope optical device according to claim 1,

characterized in that by use of the capacitive coupling between the conductive layer of the mirror and specific electrodes of the actuating membrane, the spread electronic integrated in the actuating membrane acts for the self-stabilisation of the shape of the system mirror--actuating membrane.

**47 (new)** - Optical device according to claim 1,

characterized in that, for its folding, the concave membranous mirror is deformed by the formation of concentric circular ondulations obtained by a succession of centered distortions alternately concave and convex, altering the pure concave surface of the membranous mirror in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.

**48 (new)** Optical device according to claim 1,

characterized in that, for its folding, the concave membranous actuating membrane is deformed by the formation of concentric circular ondulations obtained by a succession of centered distortions alternately concave and convex, altering the pure concave surface of the actuating membrane in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.

**Mistake in the numbering of the claims.**

**The number 45, with the status of new, has soon be used in entered claims listings filed on 06/28/01, with the same status of new, but for an other object.**

**This claim 45 (new) does not seem to have been canceled in claims listing filed after 06/28/01, on 07/12/06, with others claims 14, 18, 19 and 44, in marked up version (see page 6)**

**It has been canceled by a CURRENT amendment page 5**

**So, for correction, the second claims 45, and claims 46, 47, 48 and 49 will be canceled, and the numbering will restart from new claim 50 to new claim 53, under 37 CFR 1.121(c)(5).**

**CURRENT AMENDMENTS**

**Working document, with text of canceled claims to allow to see that the new claims 50, 51, 52, 53 are identical to the canceled 46, 47, 48, 49.**

**Corrected 07/12/06 CLAIMS (TE20060526)**

**1 (twice amended)-** Telescope optical device comprising a mirror and a device actuating the mirror,

characterized in that the mirror and the actuating device are free concave membranes without contact between them, or with other device, and tied by their central parts to the telescope..

**14-15 (canceled), 18-19 (canceled), 44 (canceled)**

**45 (canceled)**

**46 (canceled) -** Telescope optical device according to claim 1,

characterized in that there are two levels of control to give at the free membranous mirror a perfect shape :

In a first level, an approximate shape is given to the free actuating membrane by interaction of a magnetic field tied to the telescope with magnetic fields generated by actuating membrane;

in a second level, a perfect form is given to the free membranous mirror by electrostatic interaction of the free actuating membrane with the free membranous mirror.

**47 (canceled) –** Telescope optical device according to claim 1,

characterized in that by use of the capacitive coupling between the conductive layer of the mirror and specific electrodes of the actuating membrane, the spread electronic integrated in the actuating membrane acts for the self-stabilisation of the shape of the system mirror--actuating membrane.

**48 (canceled) -** Optical device according to claim 1,

characterized in that, for its folding, the concave membranous mirror is deformed by the formation of concentric circular ondulations obtained by a succession of centered distorsions alternately concave and convex, altering the pure concave surface of the membranous mirror in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.

**49 (canceled) Optical device according to claim 1,**

characterized in that, for its folding, the concave membranous actuating membrane is deformed by the formation of concentric circular ondulations obtained by a succession of

centered distortions alternately concave and convex, altering the pure concave surface of the actuating membrane in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.

**50 (new) Telescope optical device according to claim 1,**

characterized in that there are two levels of control to give at the free membranous mirror a perfect shape :

In a first level, an approximate shape is given to the free actuating membrane by interaction of a magnetic field tied to the telescope with magnetic fields generated by actuating membrane;

in a second level, a perfect form is given to the free membranous mirror by electrostatic interaction of the free actuating membrane with the free membranous mirror.

**51 (new) Telescope optical device according to claim 1,**

characterized in that by use of the capacitive coupling between the conductive layer of the mirror and specific electrodes of the actuating membrane, the spread electronic integrated in the actuating membrane acts for the self-stabilisation of the shape of the system mirror--actuating membrane.

**52 (new) Optical device according to claim 1,**

characterized in that, for its folding, the concave membranous mirror is deformed by the formation of concentric circular ondulations obtained by a succession of centered distortions alternately concave and convex, altering the pure concave surface of the membranous mirror in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.

**53 (new) Optical device according to claim 1,**

characterized in that, for its folding, the concave membranous actuating membrane is deformed by the formation of concentric circular ondulations obtained by a succession of centered distortions alternately concave and convex, altering the pure concave surface of the actuating membrane in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.

**CURRENT AMENDMENT**

**Amended claims as they would must appear on 07/12/06 after correction of mistake twice claim 45, with new claims 50-53**

**New claims listing on October 24, 2008**

**1(twice amended)**- Telescope optical device comprising a mirror and a device actuating the mirror,

characterized in that the mirror and the actuating device are free concave membranes without contact between them, or with other device, and tied by their central parts to the telescope.

**14-15 (canceled), 18-19 (canceled), 44 (canceled), 45-49 (canceled)**

**50(new)** Telescope optical device according to claim 1,

characterized in that there are two levels of control to give at the free membranous mirror a perfect shape :

In a first level, an approximate shape is given to the free actuating membrane by interaction of a magnetic field tied to the telescope with magnetic fields generated by actuating membrane;

in a second level, a perfect form is given to the free membranous mirror by electrostatic interaction of the free actuating membrane with the free membranous mirror.

**51(new)** Telescope optical device according to claim 1,

characterized in that by use of the capacitive coupling between the conductive layer of the mirror and specific electrodes of the actuating membrane, the spread electronic integrated in the actuating membrane acts for the self-stabilisation of the shape of the system mirror--actuating membrane.

**52(new)** Optical device according to claim 1,

characterized in that, for its folding, the concave membranous mirror is deformed by the formation of concentric circular ondulations obtained by a succession of centered distortions alternately concave and convex, altering the pure concave surface of the membranous mirror in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.

**53(new)** Optical device according to claim 1,

characterized in that, for its folding, the concave membranous actuating membrane is deformed by the formation of concentric circular ondulations obtained by a succession of centered distortions alternately concave and convex, altering the pure concave surface of the actuating membrane in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.

**E - Other replies to Office Action on 04/30/08**

1) I ask for cancelation of the word "electrostatic" in claim 50(new).

2) I ask for cancelation of the last lines :

"and in that the thin flat object so obtained is wound onto itself, forming a cylinder."

in claims 52(new) and 53(new).

**Marked up version of new claims listing on October 24, 2008, for cancellation of word "electrostatic" in claim 50(new) and of the last lines in claims 52(new) and 53(new)**

**1(twice amended)-** Telescope optical device comprising a mirror and a device actuating the mirror,

characterized in that the mirror and the actuating device are free concave membranes without contact between them, or with other device, and tied by their central parts to the telescope.

**14-15 (canceled), 18-19 (canceled), 44 (canceled), 45-49 (canceled)**

**50(new)** Telescope optical device according to claim 1,

characterized in that there are two levels of control to give at the free membranous mirror a perfect shape :

In a first level, an approximate shape is given to the free actuating membrane by interaction of a magnetic field tied to the telescope with magnetic fields generated by actuating membrane;

in a second level, a perfect form is given to the free membranous mirror by ~~electrostatic~~ interaction of the free actuating membrane with the free membranous mirror.

**51(new)** Telescope optical device according to claim 1,

characterized in that by use of the capacitive coupling between the conductive layer of the mirror and specific electrodes of the actuating membrane, the spread electronic integrated in the actuating membrane acts for the self-stabilisation of the shape of the system mirror--actuating membrane.

**52(new)** Optical device according to claim 1,

characterized in that, for its folding, the concave membranous mirror is deformed by the formation of concentric circular ondulations obtained by a succession of centered distorsions alternately concave and convex, altering the pure concave surface of the membranous mirror in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

~~and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.~~

**53(new)** Optical device according to claim 1,

characterized in that, for its folding, the concave membranous actuating membrane is deformed by the formation of concentric circular ondulations obtained by a succession of centered distorsions alternately concave and convex, altering the pure concave surface of the actuating membrane in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

~~and in that the thin almost flat object so obtained is wound onto itself, forming a cylinder.~~

**Clean version of claims listing on October 24, 2008, after cancelation of word "electrostatic" in claim 50(new), and last lines in claims 52(new) and 53(new) .**

**1 (twice amended)-** Telescope optical device comprising a mirror and a device actuating the mirror,

characterized in that the mirror and the actuating device are free concave membranes without contact between them, or with other device, and tied by their central parts to the telescope.

**14-15 (canceled), 18-19 (canceled), 44 (canceled), 45-49 (canceled)**

**50 (amended)** Telescope optical device according to claim 1,

characterized in that there are two levels of control to give at the free membranous mirror a perfect shape :

In a first level, an approximate shape is given to the free actuating membrane by interaction of a magnetic field tied to the telescope with magnetic fields generated by actuating membrane;

in a second level, a perfect form is given to the free membranous mirror by interaction of the free actuating membrane with the free membranous mirror.

**51 (new)** Telescope optical device according to claim 1,

characterized in that by use of the capacitive coupling between the conductive layer of the mirror and specific electrodes of the actuating membrane, the spread electronic integrated in the actuating membrane acts for the self-stabilisation of the shape of the system mirror--actuating membrane.

**52 (amended)** Optical device according to claim 1,

characterized in that, for its folding, the concave membranous mirror is deformed by the formation of concentric circular ondulations obtained by a succession of centered distortions alternately concave and convex, altering the pure concave surface of the membranous mirror in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

**53 (amended)** Optical device according to claim 1,

characterized in that, for its folding, the concave membranous actuating membrane is deformed by the formation of concentric circular ondulations obtained by a succession of centered distortions alternately concave and convex, altering the pure concave surface of the actuating membrane in a circular surface comprising a series of circular centered waves whose the vertical crest to crest distance is so small as one wishes, in view of the number of waves so great as one wishes.

**F - New figure 6** - Now, to answer to the legitimate worry of the examiner about the figure 6, a single narrow line, it is simple to consider a membranous mirror of (moderate) diameter 10 meters and thickness 10 microns.

It is easy to have crest to crest thickness of 1 mm, without permanent residual distortion after unfolding in space.

At the scale of 10 cm pour 10 m, it is 1/100, the crest to crest thickness on the figure will be 1/100 mm.

For the actuating membrane of thickness of, for example, 100 microns, the thickness of the figure is 1/10 mm, in the order of the narrowest line made by standard printer or by ball-point pen.

That would be exactly the same thing with a 100 meters diameter membranous mirror.

So, the narrow line is the best representative figure.

(My patent 6,676,262 B1 is always a good reading...)

**G - For the fun** - If you consider a pure geometrical concave surface, without thickness but with a suitable strength modulus of course, the crest to crest will be at the limite really zero because the waves number can be infinite.

The true length will be always the length of the diametral arc of the concave surface, however can be the deep or arrow of the concave surface.

The real surface area of the transformed pure geometrical concave surface does not will be the classical projection of this concave surface on a plan, but well the surface area of this pure geometrical concave surface itself.

This topological entertainment is for the fun, of course! (You deserve, after the reading of my paper...)

**Respectfully Yours**

**Goulven Vernois**

OS 08/809,620

23/05/09

~~08/09/09~~ 26

RAPPORT DE CONTRÔLE DE TRANSMISSION	
26	

DIR doc (10)

HEURE : 23/05/2009 20:10  
NOM : VERNOIS GOULVEN  
FAX : +33297611127  
TEL : +33297440711  
SER. # : G01234567890

DIR doc (9)

*Per Sandie*  
Papiers de l' interview

DATE, HEURE	23/05 20:08
NUMERO/NOM FAX	0015712738300
DUREE	00:02:25
PAGE(S)	06
RESULT	OK
MODE	STANDARD

23/05/09-19:54

08/809,620 (TE20090523)  
Fax to Cassandra for call

Date : May 23, 2009

To : Cassandra SPYROU  
Technology Center 28000

Via fax 571 273 8300

From : Goulven VERNOIS  
8, sentier des Laminaires  
56610 ARRADON  
France  
Tel 33 2 97 44 07 11  
Fax 33 2 97 61 11 27  
[vernois.5678@wanadoo.fr](mailto:vernois.5678@wanadoo.fr)

Application 08/809,620

Object : Call on April 24  
Paper documents Summary Interview

Dear Sandie,

There are attached the papers received today.

The postage is from TC1600.

The date of the call is May 01.  
It is not possible to accept postdated document.

What must I do ?  
I have lost many time with this strange affair.

Guardian Angel, help me !

23/05/09-19:54

08/809,620 (TE20090523)  
Fax to Cassandra for call

AVR 26

Date : May 23, 2009

To : Cassandra SPYROU  
Technology Center 28000

Via fax 571 273 8300

From : Goulven VERNOIS  
8, sentier des Laminaires  
56610 ARRADON  
France  
Tel 33 2 97 44 07 11  
Fax 33 2 97 61 11 27  
[vernois.5678@wanadoo.fr](mailto:vernois.5678@wanadoo.fr)

Application 08/809,620

Object : Call on April 24  
Paper documents Summary Interview

Dear Sandie,

There are attached the papers received today.

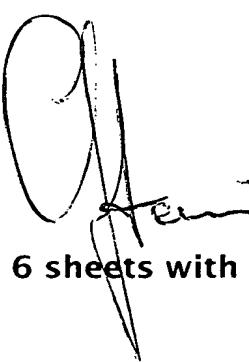
The postage is from TC1600.

The date of the call is May 01.  
It is not possible to accept postdated document.

What must I do ?  
I have lost many time with this strange affair.

Guardian Angel, help me !

Goulven



6 sheets with this

23/05/09-19:54

08/809,620 (TE20090523)  
Fax to Cassandra for call



UNITED STATES PATENT AND TRADEMARK OFFICE

08/809,620

A VI 26 2/05/08

Call on 24/04/09

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

→ Cassandra SPYRDO 286

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
08/809,620	02/05/1998	VERNOIS GOULVEN		7803

7590  
VERNOIS GOULVEN  
1 RUE DES CHALETS  
VELIZY, 78140  
FRANCE

05/12/2009

EXAMINER

NGUYEN, THONG Q

ART UNIT	PAPER NUMBER
	2872

MAIL DATE	DELIVERY MODE
05/12/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

US 08/809,620 A1 12/05/03  
Cassandra SPYRKO 2800

<b>Interview Summary</b>	Application No.	Applicant(s)
	08/809,620	GOULVEN, VEROIS
	Examiner	Art Unit
	PAUL V. WARD	1624

All participants (applicant, applicant's representative, PTO personnel):

(1) PAUL V. WARD. (3) GLORIA ANTHONY.  
(2) GOULVEN VEROIS. (4) \_\_\_\_\_.

Date of Interview: 01 May 2009.

Type: a)  Telephonic b)  Video Conference  
c)  Personal [copy given to: 1)  applicant 2)  applicant's representative]

Exhibit shown or demonstration conducted: d)  Yes e)  No.  
If Yes, brief description: \_\_\_\_\_.

Claim(s) discussed: \_\_\_\_\_.

Identification of prior art discussed: \_\_\_\_\_.

Agreement with respect to the claims f)  was reached. g)  was not reached. h)  N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: See Continuation Sheet.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

/PAUL V WARD/ Examiner, Art Unit 1624	/J. O. W./ Supervisory Patent Examiner, Art Unit 1624
--	--

OS 08/709,620 AVI (26) 12/05/09

## Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

### Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

#### 37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner.  
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

#### Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

→ Casperdua SF, R200

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Mr. Ward explained to Vernois that Mr. Ward was not the Examiner, but was translating in French for Ms. Anthony what was required to continue prosecution in this case. Mr. Ward and Ms. Anthony explained (in French) to Vernois that in order to continue examining the application, Applicant needed to submit a new set of claims and a fee for a 5 month extension of time to make the Amendment timely and compliant with rule 1.121. Vernois responded by saying that he would submit the new set of claims (by fax) and pay the fee.

M. Ward a expliqué à Vernois que M. Ward n'était pas "l'Examinateur", mais traduisait en français pour Mme Anthony ce qui était required pour continuer à examiner la demande de brevet.

M. Ward et Mme Anthony ont expliqué (en français) à Vernois que pour continuer pour examiner la demande(l'application), le Candidat a eu besoin de soumettre un nouveau jeu de réclamations et des honoraires pendant un 5 mois extension de temps, pour faire l'Amendement opportun et docile avec la Règle/l'Autorité 1. 121. Vernois a répondu en disant qu'il soumettrait le nouveau jeu de réclamations (selon le fax ou telecopie) et payerait les honoraires.

111 A VII 26  
Conrad SPYROW  
2800



TC1600

DEMOGRAPH

Organization UNITED STATES PATENT AND TRADEMARK OFFICE  
Bldg./Room 1ST  
P.O. Box 1450  
Alexandria, VA. 22313-1450  
If Undeliverable Return In Ten Days

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PO Box 91995  
Auckland Mail Cntr  
Auckland 1141

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Penalty For Private Use. \$300

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AIR MAIL

8 Sentier  
Laminated

56610 ARRAI

08/05/09, 620

23/05/09

RAPPORT DE CONTROLE DE TRANSMISSION

→ Paul Ward

HEURE : 23/05/2009 21:02  
NOM : VERNOIS GOULVEN  
FAX : +33297611127  
TEL : +33297440711  
SER. : G01234567890

Demande de Confirmation date

~~AVI~~ ~~27~~

DIR doc 11)

DATE, HEURE  
NUMERO/NOM FAX  
DUREE  
PAGE(S)  
RESULT  
MODE

23/05 21:01  
0015712738300  
00:00:20  
01  
OK  
STANDARD

23/05/09-20:48

08/809,620 (TE20090523)  
Fax to Paul V. WARD - Confirmation de date

Date : May 23, 2009.

To : Paul V. WARD  
Art Unit 1624

Via fax 571 273 8300

From : Goulven VERNOIS  
8, sentier des Laminaires  
56610 ARRADON  
France

Tel 33 2 97 44 07 11  
Fax 33 2 97 61 11 27  
[vernois.5678@wanadoo.fr](mailto:vernois.5678@wanadoo.fr)

Application 08/809,620

Subject : Your Summary Interview  
Date of a call

Dear Sir,

Can you confirm the date of the call alleged on May 01 ?

Thank you.

Goulven VERNOIS

*MA*

A VI 27

**Date : May 23, 2009**

**To : Paul V. WARD  
Art Unit 1624**

**Via fax 571 273 8300**

**From : Goulven VERNOIS  
8, sentier des Laminaires  
56610 ARRADON  
France**

**Tel 33 2 97 44 07 11  
Fax 33 2 97 61 11 27  
vernois.5678@wanadoo.fr**

**Application 08/809,620**

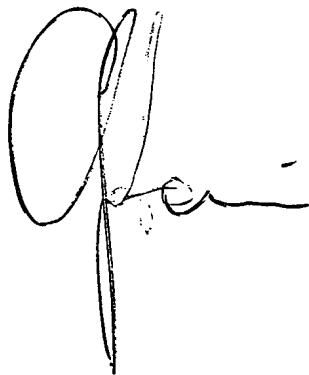
**Subject : Your Summary Interview  
Date of a call**

**Dear Sir,**

**Can you confirm the date of the call alleged on May 01 ?**

**Thank you.**

**Goulven VERNOIS**



**Goulven VERNOIS**

De : "Goulven VERNOIS" <vernois.5678@wanadoo.fr>  
À : "Spyrou, Cassandra" <Cassandra.Spyrou@USPTO.GOV>  
Envoyé : jeudi 14 mai 2009 18:37  
Objet : 08/809,620 Image File Wrapper  
Dear Guardian Angel Sandie !

I have read Image File Wrapper with surprise, and without Customer Number.

The callers are from Technical Center 1600, Gloria ANTHONY, and Art Unit 1624, Paul V. WARD Examiner.

But, on Office Action, the date of the call is May 01, when the real date is April 24 !!!

This Office action gives to me 1 month to confirm the call and that I have say that I shall pay the 1175\$.

I have just say that I understood what he saids, but not that I go to pay !!!

I have reply the same day by fax 571 273 0200, as you know.

It is not possible to agree with the date, of course !

I think that you can read this Image File Wrapper.

In US Ambassy in Paris, an economical employee says me that is a case very curios, and that It is not allowed to a civil servant to ask for money without a preliminary wrotten Office Action reached to the addressee.

And more, I do not understand this Extension of Time.

The US Ambassy advises me to write to French Ambassy in Washington to see this case.

I have fax a form to have Customer Number, probably essential to print documents of Image File Wrapper.

I shall send a big letter to Mail Stop Comments-Patents.

Dear Guardian Angel Sandie, help me !

Truly Yours

Goulven

**Goulven VERNOIS**

**De :** "Spyrou, Cassandra" <Cassandra.Spyrou@USPTO.GOV>  
**À :** "Goulven VERNOIS" <vernois.5678@wanadoo.fr>

**Envoyé :** jeudi 14 mai 2009 18:55

**Objet :** RE: 08/809,620 Image File Wrapper

I believe that you have the serial number incorrect.

The serial number that you have listed above is for a case pending in Technology Center 2800 where I work.

You may have been contacted by telephone from an individual regarding fees as an attempt to expedite an issue with the case.

However, I cannot confirm this because I do not have the correct serial number.

---

**From:** Goulven VERNOIS [mailto:[vernois.5678@wanadoo.fr](mailto:vernois.5678@wanadoo.fr)]

**Sent:** Thursday, May 14, 2009 12:37 PM

**To:** Spyrou, Cassandra

**Subject:** 08/809,620 Image File Wrapper

Dear Guardian Angel Sandie !

I have read Image File Wrapper with surprise, and without Customer Number.

The callers are from Technical Center 1600, Gloria ANTHONY, and Art Unit 1624, Paul V. WARD Examiner.

But, on Office Action, the date of the call is May 01, when the real date is April 24 !!!

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I shall send a big letter to Mail Stop Comments-Patents.

Dear Guardian Angel Sandie, help me !

Truly Yours

Goulven

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Orange vous informe que cet e-mail a été contrôlé par l'anti-virus mail.  
Aucun virus connu à ce jour par nos services n'a été détecté.